



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

**JUN - 8 2000**

Mr. Joseph Carey  
Director of Quality Assurance  
Air Techniques, Incorporated  
70 Cantiague Rock Road  
P.O. Box 870  
Hicksille, New York 11801

Re: K001313  
Trade Name: Airdent II CS  
Regulatory Class: II  
Product Code: KOJ  
Dated: April 19, 2000  
Received: April 26, 2000

Dear Mr. Carey:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

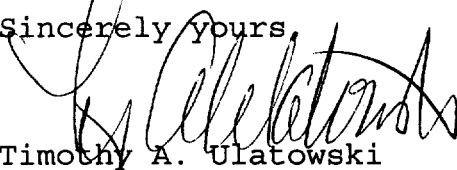
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Good Manufacturing Practice for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic GMP inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

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This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4692. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,



Timothy A. Ulatowski  
Director

Division of Dental, Infection Control,  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

**Item 10**510K Number (if known): K001313Device Name: Airdent II CS**INDICATIONS FOR USE:**

The Air Techniques' Airdent II CS dental air abrasion system is intended to be used in a variety of dental applications such as the removal and modification of tooth structure and many types of dental restorations. It is not recommended for the removal of amalgam restorations.

The Airdent II CS removes or modifies tooth structure by propelling a stream of abrasive aluminum oxide material against the tooth. The high kinetic energy of the particles creates friction that efficiently removes tooth structure.

**Indications for use**

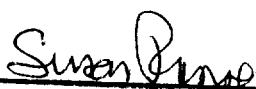
1. Cavity preparations for composite restorations and small amalgam fillings and preparations for aesthetic composite procedures.
2. Composite restoration removal.
3. Partial composite restoration removal and repair or rebonding at failure sites.
4. Preparation for pit and fissure sealants.
5. Etching of tooth structure and porcelain for bonding.

Acid etching materials should be used in conjunction with the Airdent II CS in bonding procedures.

(PLEASE DO NOT WRITE BELOW THIS LINE, CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

  
(Division Sign-Off)  
Division of Dental, Infection Control,  
and General Hospital Devices  
510(k) Number K001313

Prescription Use ☒  
(Per 21 CFR 801.109)

or

Over the counter use \_\_\_\_\_  
(Optional Format 1-2-96)